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| Appl | icati | on/Co | ntrol | No. |
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09/544,141

KARVES ET AL.

Applicant(s)/Patent under Reexamination

Examiner

Art Unit

Steven HD Nguyen

2665

√ Rejected
= Allowed

(Through numeral)
Cancelled

Non-Elected

A Appeal

Restricted

Interference

O Objected

| Cla      | aim      | Date            |  |              | Claim Date                                       |  |              |  |  |          | Claim Date |             |          |                 |          |          |          |          |          |          |   |                        |            |          |            |          |          |          |          |           |
|----------|----------|-----------------|--|--------------|--|--|--------------|--|--|----------|------------|-------------|----------|-----------------|----------|----------|----------|----------|----------|----------|---|------------------------|------------|----------|------------|----------|----------|----------|----------|-----------|
|          |          |                 |  |              | Τ  | T  |              |  |  | $\neg$   |            |             |          |                 |          |          | 1        |          |          |          |   |                        |            |          | Т          | $\top$   |          |          |          |           |
| <u>ā</u> | Original | 9/28/05         |  |              |  |  |              |  |  |          | <u> </u>   | Original    | 9/28/05  |                 |          |          |          | - 1      |          |          |   | <u> </u>               | Original   |          |            |          |          |          |          |           |
| Final    | ij       | /28             |  |              |  |  |              |  |  |          | Final      | <u>-</u> [한 | /28      |                 |          | - {      |          |          | ı        |          |   | Final                  | rig        |          |            |          |          |          |          |           |
|          | 0        | 6               |  |              |  |  |              |  |  |          |            | 0           | 6        | l I             |          |          |          |          |          |          |   |                        | 0          |          |            | ı        |          |          | 1        |           |
|          | 1        |                 | <del>                                     </del> | t            | $\top$   | $\vdash$   | _            | 1  |  | $\neg$   |            | 51          | =        | $\Box$          | _        | 一        | 一        | 寸        |          | 1        | 1 |                        | 101        | П        | $\dashv$   | $\neg$   |          | $\neg$   | $\Box$   | 十         |
|          | 2        |                 |  |              | T  |  |              |  | П  |          |            | 52          | =        | Ħ               | T        |          | T        | $\neg$   |          |          | 1 |                        | 102        | $\Box$   | _          |          |          | $\Box$   | 一十       | 寸         |
| <b></b>  | 3        |                 |  |              | $\vdash$   | $\vdash$   | T            | $\vdash$   | Н  | 7        |            | 53          | =        | H               | 1        |          | _        | 寸        | $\neg$   |          | 1 |                        | 103        | $\Box$   | $\dashv$   | ┪        |          |          | 一十       | $\forall$ |
|          | 4        | $\vdash$        |  | 1            |  | Τ-   | Т            | <u> </u>   | П  | ヿ        |            | 54          | T        | H               | T        | T        | 1        | 寸        | 1        |          | 1 |                        | 104        | $\Box$   | _          | 一        |          |          | $\Box$   | 十         |
|          | 5        | =               |  |              |  |  |              |  | П  | _        |            | 55          | =        | $\vdash$        | _        |          |          | 1        |          |          | 1 |                        | 105        | $\Box$   | 7          |          |          |          |          | $\dashv$  |
|          | 6        | =               |  |              |  | T  | T            | ✝  | $\Box$   | 7        |            | 56          | =        | П               | T        | T        | Ť        |          | _        |          | 1 | -                      | 106        |          | T          | $\neg$   |          |          | $\sqcap$ | 十         |
|          | 7        | =               | Г  |              |  | 1  | T            | $\vdash$   | $\Box$   | _        | <b>—</b>   | 57          | =        | Ħ               | 7        |          | <b>-</b> | 1        | 7        |          |   |                        | 107        |          | 寸          | ┪        |          |          | -        | $\dashv$  |
|          | 8        | =               | T  |              | 1  | T  | T            | $\vdash$   | П  |          |            | 58          | =        |                 | 7        | _        | 7        | _        | 7        | _        | 1 |                        | 108        |          | ヿ          | 一        |          |          | $\dashv$ | $\dashv$  |
|          | 9        | =               |  | <u> </u>     |  | <del>                                     </del> | -            | $\vdash$   |  | $\neg$   |            | 59          | =        |                 | $\dashv$ | _        | _        | _        | $\dashv$ |          | 1 | -                      | 109        |          | $\dashv$   | $\dashv$ |          | _        |          | $\dashv$  |
|          | 10       | =               | $\vdash$   |              |  |  |              | $\vdash$   | $\vdash$   | _        |            | 60          | =        | -               | 7        | ┪        |          | ┪        | 7        | $\dashv$ | 1 |                        | 110        | _        | +          | $\dashv$ |          |          | $\dashv$ | -+        |
| -        | 11       | =               | _  | _            | ┢  | -  | ╁            | H  | $\vdash$   | _        |            | 61          | =        | <del>   </del>  | +        | _        | T        | _        | +        | -        | 1 |                        | 111        |          | $\dashv$   | ┪        |          |          | $\neg +$ | $\dashv$  |
|          | 12       | =               | $\vdash$   |              |  | t  | t            | t  | $\forall$  | $\dashv$ |            | 62          | Н        | $\vdash \vdash$ | $\dashv$ | -+       | $\dashv$ | $\dashv$ | -+       | $\dashv$ | 1 | $\vdash$               | 112        |          | $\dashv$   |          | -        |          | $\dashv$ | $\dashv$  |
|          | 13       | =               | $\vdash$   |              | 1  | +  | +            | $\vdash$   | $\vdash$   | $\dashv$ |            | 63          | Н        | $\vdash \vdash$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | -+       | +        | 1 | $\vdash$               | 113        | $\vdash$ | $\dashv$   |          | -        | _        | $\dashv$ | +         |
|          | 14       | =               | $\vdash$   | $\vdash$     | <del>                                     </del> | †  | t            | t -  | <del>                                     </del> | $\dashv$ | <b></b>    | 64          | H        | $\vdash$        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | 1 |                        | 114        | -        | $\dashv$   |          | $\dashv$ |          | $\dashv$ | $\dashv$  |
|          | 15       | =               |  | $\vdash$     | $\vdash$   |  |              | $\vdash$   | $\vdash$   | -        | -          | 65          | Н        |                 | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | +        | ┪ | H-                     | 115        |          | $\dashv$   | $\dashv$ | $\dashv$ |          | $\dashv$ | $\dashv$  |
|          | 16       | =               | $\vdash$   | $\vdash$     | $\vdash$   | t  | t            | t  | $\vdash$   | $\dashv$ |            | 66          |          |                 | -        | $\dashv$ | -+       | -+       | $\dashv$ | +        | ┨ | $\vdash$               | 116        | $\dashv$ | -          | -        | $\dashv$ |          | $\dashv$ | $\dashv$  |
|          | 17       |                 |  | $\vdash$     | $\vdash$   |  | $\vdash$     | ┢  | $\vdash$   | $\dashv$ |            | 67          | Н        | $\vdash$        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |          | ┨ |                        | 117        |          | +          | _        |          | $\dashv$ | -+       | $\dashv$  |
|          | 18       | =               |  | H            | $\vdash$   | H  | $\vdash$     | ╁  | $\forall$  | $\dashv$ |            | 68          |          | ┝               | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | +        | ┨ |                        | 118        | $\dashv$ | ╛          | ┪        | $\dashv$ | -        | $\dashv$ | -+        |
| -        | 19       | =               | -  |              | ┢  | <del>                                     </del> | -            | ╁  | $\vdash$   | $\dashv$ |            | 69          | H        | $\vdash$        | $\dashv$ | +        | -        | $\dashv$ | $\dashv$ |          | ┨ | $\vdash$               | 119        |          | -          | $\dashv$ | $\dashv$ | -        | $\dashv$ | $\dashv$  |
| <b></b>  | 20       | =               | ┢╌   | ┝            | $\vdash$   | $\vdash$   | $\vdash$     |  | Н  | $\dashv$ |            | 70          | Н        | -               | -        | $\dashv$ | -        | -+       | $\dashv$ | +        | ┨ |                        | 120        |          | $\dashv$   | $\dashv$ | $\dashv$ | _        | -+       | +         |
|          | 21       | =               | <del> </del>                                     |              | ┢╌   | ╁─   | ┢            | ┢  | <del>   </del>                                   | -        |            | 71          | H        | $\vdash$        | $\dashv$ | $\dashv$ | -+       | ┪        | $\dashv$ | _        | ┨ | $\vdash$               | 121        |          | $\dashv$   | -        | $\dashv$ |          | $\dashv$ | $\dashv$  |
|          | 22       | =               |  | -            | <del> </del>                                     | ├  | ┢            | ┢  | $\vdash$   | $\dashv$ | -          | 72          | H        | $\vdash$        | $\dashv$ | +        | $\dashv$ | -+       | -        | +        | 1 |                        | 122        | $\dashv$ | +          | $\dashv$ |          | -        | $\dashv$ | +         |
|          | 23       | =               | H  | $\vdash$     | ┢  | ┢  | $\vdash$     | $\vdash$   | H  | -        | <u> </u>   | 73          |          | $\vdash$        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |          | 1 | $\vdash$               | 123        | $\dashv$ | $\dashv$   | $\dashv$ |          | -        | $\dashv$ | $\dashv$  |
| -        | 24       | =               | H  | $\vdash$     | ╁  | ╁  | $\vdash$     | <del>  -</del>                                   |  | $\dashv$ | -          | 74          | Н        | $\vdash$        | ┪        | $\dashv$ | +        | +        | +        | $\dashv$ | ┨ |                        | 124        | $\dashv$ | $\dashv$   | $\dashv$ | $\dashv$ | $\dashv$ | -+       | +         |
|          | 25       | =               | $\vdash$   | H            | $\vdash$   | ┢  | $\vdash$     | $\vdash$   | H  | $\dashv$ |            | 75          | H        | $\vdash$        | $\dashv$ | $\dashv$ | -        | $\dashv$ | $\dashv$ | -        | ┨ |                        | 125        | -        | $\dashv$   |          | -        | $\dashv$ | $\dashv$ | $\dashv$  |
| -        | 26       | =               | H  | $\vdash$     | ┢  | ┢  | ╁            | -  |  | ╡        |            | 76          | Н        | $\vdash$        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |          | ┨ | -                      | 126        | $\dashv$ | $\dashv$   |          | $\dashv$ | ᅱ        |          | +         |
| $\vdash$ | 27       | H               | $\vdash$   | $\vdash$     | ╁  | ├  | -            | -  | -  | ┥        | -          | 77          | Н        | $\vdash$        | $\dashv$ | $\dashv$ | •        | -+       | $\dashv$ | $\dashv$ | ┨ |                        | 127        | $\dashv$ | $\dashv$   | -        | $\dashv$ | -        | -+       | $\dashv$  |
| $\vdash$ | 28       | =               | $\vdash$   | $\vdash$     | $\vdash$   | $\vdash$   | $\vdash$     | ├-   | ╌┤   | ┥        |            | 78          | Н        | $\vdash$        | $\dashv$ | $\dashv$ | $\dashv$ | +        | $\dashv$ |          | ┨ |                        | 128        | -        | +          |          | $\dashv$ | $\dashv$ | -        | +         |
| -        | 29       | H               | -  | -            | -  | -  | $\vdash$     |  | Н  | $\dashv$ | -          | 79          | Н        | -               | -        | $\dashv$ | -        | $\dashv$ | $\dashv$ | +        | ┪ |                        | 129        | $\dashv$ | +          | -        | -        | $\dashv$ | +        | ┰         |
|          | 30       | ╘               | -  |              | ┢  | ┝  | -            | -  | Н  | $\dashv$ | <b>—</b>   | 80          | Н        | -               | -+       | $\dashv$ | -+       | -+       | $\dashv$ | -        | ┪ |                        | 130        | -        | -          | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | +         |
| -        | 31       | =               | -  | <del> </del> | ╁┈   | ├  | ┢            | <del>                                     </del> | $\vdash$   | -        |            | 81          | Н        | $\dashv$        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | -+       |          | 4 | -                      | 131        |          | $\dashv$   |          | $\dashv$ |          | $\dashv$ | $\dashv$  |
| <b>—</b> | 32       | =               | $\vdash$   | -            | ┢  | -  | ┢            | <del> </del>                                     | H  | $\dashv$ | -          | 82          | Н        | -               | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | +        | ┪ |                        | 132        | $\dashv$ | $\dashv$   | $\dashv$ | $\dashv$ | $\dashv$ | -+       | $\dashv$  |
| $\vdash$ | 33       | =               | Н  | -            | <del> </del>                                     | <del>                                     </del> | $\vdash$     | $\vdash$   | $\vdash$   | $\dashv$ | $\vdash$   | 83          | Н        | $\vdash$        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | -        |          | 1 | $\vdash \vdash$        | 133        | -        | $\dashv$   | $\dashv$ | $\dashv$ | $\dashv$ | +        | +         |
| $\vdash$ | 34       | =               |  | -            |  | <del> </del>                                     | ┢            | $\vdash$   | $\vdash$   | $\dashv$ |            | 84          | $\vdash$ | $\vdash$        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | - | $\vdash\vdash\vdash$   | 134        | +        | $\dashv$   | ┥        |          | $\dashv$ | +        | +         |
| <b></b>  | 35       | =               | -  | -            | $\vdash$   | $\vdash$   | $\vdash$     | $\vdash$   | H  | $\dashv$ | -          | 85          | $\vdash$ | $\vdash$        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | +        | 1 | $\vdash$               | 135        |          | $\dashv$   | $\dashv$ | $\dashv$ | $\dashv$ | +        | $\dashv$  |
| $\vdash$ | 36       | =               | $\vdash$   | $\vdash$     | $\vdash$   | $\vdash$   | $\vdash$     | $\vdash$   | $\vdash$   | $\dashv$ | <u> </u>   | 86          |          | $\vdash$        | +        | +        | $\dashv$ | $\dashv$ | +        | $\dashv$ | ┨ | $\vdash$               | 136        | $\dashv$ | ┽          |          | $\dashv$ | $\dashv$ | $\dashv$ | +         |
| $\vdash$ | 37       | H               | $\vdash$   |              | $\vdash$   | -  | <del> </del> | ├  | -  | $\dashv$ | <b></b>    | 87          | $\vdash$ | $\vdash +$      | +        | +        | $\dashv$ | $\dashv$ | +        | +        | - | ┝┈┤                    | 137        | $\dashv$ | +          | $\dashv$ | $\dashv$ | -        | -+       | -+        |
| -        | 38       | H               | $\vdash$   | -            | -  | -  | H            | +  | $\vdash$   | $\dashv$ | -          | 88          | $\vdash$ | $\dashv$        | $\dashv$ | $\dashv$ | +        | +        | $\dashv$ | +        | 1 | $\vdash$               | 138        | -        | $\dashv$   | $\dashv$ | $\dashv$ | $\dashv$ | +        | +         |
| $\vdash$ | 39       | $\vdash$        |  | -            | ├  | $\vdash$   | $\vdash$     | $\vdash$   | $\vdash$   | $\dashv$ | $\vdash$   | 89          | $\vdash$ | $\dashv$        | -+       | -+       | $\dashv$ | $\dashv$ | $\dashv$ |          | ┨ | $\vdash$ $\dashv$      | 139        |          | -+         | $\dashv$ |          | $\dashv$ | +        | $\dashv$  |
|          | 40       | $\vdash$        | $\vdash$   |              | <del> </del>                                     | -  | -            | ⊢  | Н  | $\dashv$ |            | 90          | $\vdash$ | $\dashv$        | -+       | $\dashv$ | $\dashv$ | +        | +        | +        | 4 | $\vdash \vdash \vdash$ | 140        |          | $\dashv$   | $\dashv$ |          |          | +        | +         |
|          | 41       | Н               | $\dashv$   | -            | <del> </del>                                     | $\vdash$   | ├-           |  | $\vdash \vdash$                                  | $\dashv$ |            | 91          | $\vdash$ | +               | $\dashv$ | $\dashv$ | +        | -+       | -+       | +        | - |                        | 141        | -+       | +          | -        |          |          | +        | +         |
| $\vdash$ | 42       | $\vdash$        | $\vdash$   | $\vdash$     | -  | -  | $\vdash$     | $\vdash$   | $\vdash$   | $\dashv$ | -          | 92          |          |                 | +        | +        | +        | $\dashv$ |          |          | ┨ | ┝┈┤                    | 141        | $\dashv$ | +          | +        | $\dashv$ | $\dashv$ | +        | +         |
| $\vdash$ | 43       | $\vdash$        | -  |              | $\vdash$   | $\vdash$   | $\vdash$     | $\vdash$   | $\vdash$   | $\dashv$ | $\vdash$   | 93          |          | -               | $\dashv$ | +        | $\dashv$ | $\dashv$ | $\dashv$ | +        | + | <del>  </del>          | 143        | $\dashv$ | $\dashv$   | -        |          | -        | +        | +         |
| $\vdash$ | 44       | $\vdash \vdash$ | H  | -            | $\vdash$   | $\vdash$   |              |  | $\vdash$   | $\dashv$ | $\vdash$   | 94          | $\vdash$ | -               | +        | +        | $\dashv$ | $\dashv$ | +        | +        | - | <del>  </del>          | 144        | -+       | $\dashv$   | $\dashv$ |          | -        | +        | +         |
| $\vdash$ | 45       | $\vdash \vdash$ | $\vdash$   | —            | $\vdash$   | $\vdash$   | $\vdash$     | -  | $\vdash$   | $\dashv$ | $\vdash$   | 95          | $\vdash$ | $\dashv$        | +        | +        | $\dashv$ | +        | +        | -        | - |                        | 145        | $\dashv$ | $\dashv$   | 4        |          |          | +        | +         |
|          | 46       | =               | $\vdash$   | -            | -  | $\vdash$   | $\vdash$     | $\vdash$   | $\vdash$   | $\dashv$ | $\vdash$   | 96          | $\dashv$ | -               | +        | +        |          | +        | +        | -        | ┨ | ┝─┤                    | 146        | $\dashv$ | +          | +        | -        |          | $\dashv$ | $\dashv$  |
| $\vdash$ | 47       | =               | $\dashv$   | _            | ├  | $\vdash$   | $\vdash$     | $\vdash$   |  | $\dashv$ | $\vdash$   | 97          | $\dashv$ | -               | +        | $\dashv$ | $\dashv$ | +        | +        | +        | ┨ | <del>  </del>          | 146        | $\dashv$ | +          | -        | $\dashv$ |          | +        | +         |
| $\vdash$ | 48       | =               | $\vdash$   | _            | $\vdash$   | $\vdash$   | ├-           | $\vdash$   | $\vdash \vdash$                                  | $\dashv$ | -          | 98          |          | $\dashv$        | +        | +        | +        | +        | -        | +        | - |                        | 147        | $\dashv$ | +          | $\dashv$ | -        | -        | +        | +         |
| $\vdash$ | 49       | =               | $\dashv$   |              | $\vdash$   | -  | $\vdash$     | -  |  | $\dashv$ | $\vdash$   | 99          | $\dashv$ | -               | +        | +        | $\dashv$ | +        | +        | +        | 1 | $\vdash$               |            | $\dashv$ | +          | $\dashv$ | $\dashv$ | $\dashv$ | +        | +         |
| $\vdash$ | 50       | =               | $\dashv$   |              | $\vdash$   | $\vdash$   |              | $\vdash$   | $\vdash$   | _        | $\vdash$   | 100         | $\dashv$ | +               | +        | $\dashv$ | $\dashv$ | +        | $\dashv$ | -        | ┨ | ┝╾┽                    | 149<br>150 | -        | +          | $\dashv$ | _        | -+       | +        | +         |
| ш        | 50       |                 |  |              | Ц  | لـــا  | ш.           | Ц  | Щ.   |          | ш          | 100         |          |                 |          |          |          |          | L        |          | J |                        | 130        |          | $_{\sf L}$ |          |          |          |          |           |